

CLAIMS

What is claimed is:

1. A composition comprising a plurality of yeast cells, wherein said plurality of yeast cells are characterized by an increase in their capability to improve the memory of a mammal with vascular dementia as a result of having been cultured in the presence of an alternating electric field having a frequency in the range of about 10280 to 13000 MHz and a field strength in the range of about 200 to 500 mV/cm as compared to yeast cells not having been so cultured.
2. The composition of claim 1, wherein the range of the frequency is about 10280 to 10400, 12320 to 12380 or 12950 to 13000 MHz.
3. The composition of claim 1, wherein the range of the field strength is about 200 to 400 mV/cm.
4. The composition of claim 1, wherein said yeast cells are of the species selected from the group consisting of *Saccharomyces sp.*, *Schizosaccharomyces pombe*, *Saccharomyces sake*, *Saccharomyces uvarum*, *Saccharomyces rouxii*, *Saccharomyces cerevisiae*, *Saccharomyces carlsbergensis*, *Rhodotorula aurantiaca*.
5. The composition of claim 1, wherein said yeast cells are derived from the strain deposited at the China General Microbiological Culture Collection Center with the accession number selected from the group consisting of *Saccharomyces cerevisiae* Hansen AS 2.501, AS2.502, AS2.503, AS2.504, AS2.535, AS2.558, AS2.560, AS2.561, AS2.562 and IFFI1340.
6. The composition of claim 5, wherein said strain is *Saccharomyces cerevisiae* Hansen IFFI1340.

7. The composition of claim 1, wherein the composition is in the form of a tablet, powder or health drink.

8. The composition of claim 1, wherein the composition is in the form of a health drink.

9. A method of preparing a yeast composition, comprising culturing a plurality of yeast cells in the presence of an alternating electric field having a frequency in the range of about 10280 to 13000 MHz and a field strength in the range of about 200 to 500 mV/cm to increase the capability of said plurality of yeast cells to improve the memory of a mammal with vascular dementia.

10. The method of claim 9, wherein the range of the frequency is about 10280 to 10400, 12320 to 12380 or 12950 to 13000 MHz.

11. The method of claim 9, wherein the range of the field strength is about 200 to 400 mV/cm.

12. A method of improving the memory of a subject with vascular dementia, comprising the step of administering to said subject the composition of any one of claims 1 to 6.

13. The method of claim 12, wherein the administration is through oral administration.